

## Kisspeptin-54(human) TFA

## Chemical Properties

CAS No. :

Formula: C258H401N79O78.C2HF3O2

Molecular Weight: 5971.45

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Kisspeptin-54(human) TFA, also known as Metastin(human) TFA, is the natural ligand for the kisspeptin receptor (KISS1, GPR54). It demonstrates high affinity for both rat and human GPR54 receptors with dissociation constants ( $K_i$ ) of 1.81 nM and 1.45 nM, respectively. This compound plays a crucial role in inhibiting tumor metastasis and promoting the secretion of gonadotropins, as evidenced by references [1] [2].
Targets(IC50)	GNRH Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.1675 mL	0.8373 mL	1.6746 mL
5 mM	0.0335 mL	0.1675 mL	0.3349 mL
10 mM	0.0167 mL	0.0837 mL	0.1675 mL
50 mM	0.0033 mL	0.0167 mL	0.0335 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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